

weights of 110 kD and 220 kD in all 23 pneumococcal lysates tested (as shown in Figure 3 Figures 3A and 3B).

AMENDED CLAIMS

1. (Amended) A vaccine comprising a polypeptide ~~including immunogenic fragments thereof, having~~ comprising an amino acid sequence at least 95% identical to ~~the amino acid sequence of SEQ ID NO:6~~ and present in a carrier in an amount effective to elicit production of protective antibodies in an animal against *Streptococcus pneumoniae*.

C1
A7
1. (Amended) A vaccine comprising a polypeptide comprising an amino acid sequence at least 95% identical to SEQ ID NO:6 and present in a carrier in an amount effective to elicit production of protective antibodies in an animal against *Streptococcus pneumoniae*.

Please add the following new claims:

31B
C1
23. (New) An isolated polypeptide comprising an amino acid sequence at least 95% identical to SEQ ID NO: 6 wherein said polypeptide elicits production of antibodies that protect against infection by *Streptococcus pneumoniae* when administered to an immunocompetent animal.

24. (New) The isolated polypeptide of claim 23 wherein said amino acid sequence is the sequence of SEQ ID NO: 6.

A-8
25. (New) A method of protecting an animal against pneumococcal infection by administering to an animal at risk of such infection an effective amount of the polypeptide of claim 23.

26. (New) The method of claim 25 wherein said animal is a human being.

27. (New) A method of protecting an animal against pneumococcal infection by administering to an animal at risk of such infection an effective amount of the polypeptide of claim 24.

28. (New) The method of claim 27 wherein said animal is a human being.

29. (New) A method of protecting an animal against pneumococcal infection by